Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/11/2019 01:09 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124802	-1	2.82	124843	2.80
Blue	F	SSC	125000	123529	-2	4.34	124418	4.35
Blue	E	FITC	16694	16400	-2	4.20	379	22.68
Blue	D	PE	32792	32051	-3	3.63	706	16.54
Blue	B	PerCP-Cy5-5	44451	43909	-2	5.16	1205	23.06
Blue	A	PE-Cy7	33645	33521	-1	7.52	604	48.57
Red	C	APC	47008	45834	-3	3.24	1768	14.19
Red	A	APC-Cy7	32298	31664	-2	3.18	788	14.78
Violet	B	V450	8961	8350	-7	4.99	502	15.09
Violet	A	V500	32726	30988	-6	4.76	757	12.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20730	6.20	609	-4	N/A	N/A	Pass
Blue	F	SSC	55971	4.07	581	13	N/A	N/A	Pass
Blue	E	FITC	62	77.66	567	4	0.0151	199	Pass
Blue	D	PE	139	58.36	571	5	0.1317	299	Pass
Blue	B	PerCP-Cy5-5	221	56.72	676	5	0.0074	71	Pass
Blue	A	PE-Cy7	117	123.86	731	5	0.0089	32	Pass
Red	C	APC	403	29.74	616	3	0.0167	71	Pass
Red	A	APC-Cy7	194	32.23	588	3	0.0041	634	Pass
Violet	B	V450	93	56.05	478	-8	0.0327	1870	Pass
Violet	A	V500	112	43.43	488	-8	0.0173	1572	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.88	-32.23	1.14
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.55	13.60 - 20.40	N/A	N/A	29.11	29.78	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13788

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments